

The Wobbly Oscillator



Hams Who Serve

Cuyahoga Amateur Radio Society

September 2022 Volume 52 Number 9



One More Picnic Meeting

From The Prez

September Picnic Meeting Ron, K8RJH, Will Give FT8 Tips

Those present at the August meeting basked in the perfect summer evening weather and voted to extend the seasonal activities by having one more picnic meeting at the Harriet Keeler Picnic Area in the Brecksville Reservation of the Metroparks. The vote was overwhelming, almost unanimous, that we would have one more picnic meeting in the park.

Ron, K8RJH, will present 10 effective tips to improve your operating skill in making and logging contacts with FT8/FT4 (and other) popular amateur digital modes. This promises to be a "Not to Miss" program for both the new and experienced ham operator!

Let's hope Mother Nature smiles on us with more good summer weather.

Cleveland Hamfest

CARS will have a two-table exhibit at the Cleveland Hamfest, Sunday September 25th, at the Cuyahoga County Fairgrounds. We will have club informational material to interest prospective new members and equipment for sale.

Anyone wishing to sell ham radio or related equipment is more than welcome to take advantage of this excellent venue. Members can bring their stuff Sunday morning or make arrangements to get it there in advance. I will be the point-man for the event, so contact me with your desires. We will also discuss the fest at the September meeting and on the nets.

Help Keep Personal Info Current

Although I've said and written about it often, our treasurer, Bob, W8GC, does an incredible amount of work for the club, and he does everything splendidly. Not only is he treasurer, but he is the webmaster, and the overseer of more records, licenses, and databases than space here allows mentioning. For all the years I have been president, I have worked closely with Bob, and would have a difficult time without him.

Bob is a man of many talents and skills, but he is not a mind reader. Please help him keep your personal information up to date. Inform him of any changes to your call sign, license class, address, phone number, or email address.

It makes life easier for all CARS members to access your personal information easily and correctly. That's a win – win for everyone.

73, Toby, WT8O

August 2022 Meeting Minutes



Members enjoyed a perfect summer evening at the August meeting. (L)



Members and guests pledge the flag. (R)

LOCATION---The meeting was held August 9th, at the Harriett Keeler Picnic Pavilion in the Brecksville Reservation of the Cleveland Metroparks.

CALLED TO ORDER---The meeting was called to order by President Toby Kolman, WT8O, at 7:32 PM.

PLEDGE OF ALLEGIANCE---Those present pledged allegiance to the flag of the United States of America.

INTRODUCTIONS---Those present introduced themselves. 18 individuals attended the meeting, including five guests.

JULY MINUTES---The July minutes were approved as published in the WO.

TREASURER'S REPORT---Bob Robbins, K8RGI, reported on the club's current financial situation. No issues or concerns were identified.

PRESIDENT'S REPORT---Toby Kolman, WT8O, reported the following:

- When the Club returns to indoor meetings at Busch Funeral Home, please remember to leave the parking spots near the meeting room for those who have trouble walking.
- There were two recipients of the 2022 CARS Scholarship, Danielle Robbins, Bob Robbins's, K8RGI's, granddaughter and Molly Kolman, Toby Kolman's, WT8O's, granddaughter. Toby read the thank you notes from the recipients. Molly attended the meeting in person to receive her check.
- Duane, KE8HXX (SK), has equipment for sale that was listed in the August WO. Please contact Lynn Lorens or Metro, W8MET, to purchase it.
- Toby, WT8O, will continue editing the WO in 2023. Please send contributions - vacation photos, articles, or other material - to Toby. The newsletter will continue to be available through the CARS website (2cars.org) and will not be printed and mailed to members due to cost.
- Please sign in on the sign-in sheet

VICE PRESIDENT'S REPORT---Ron Hollas, K8RJH, reported the following:

- The WO is getting better every month. Please send Toby, WT8O, your contributions.
- The ARRL radio innovation lab, W1HQ, is featured on the ARRL website (arrl.org). Be sure to check out the video tour and other information available.
- Remember to renew your ARRL membership. After renewing, make sure you check the expiration date for your membership. The new ARRL system sometimes calculates the wrong date for membership expiration. Fixing the problem is quick and easy - just contact ARRL.
- The latest ARRL On the Air podcast (episode 31) provides an overview of the 222 MHz frequency band. The latest ARRL Eclectic Tech podcast (episode 65) features a discussion about lightning protection.
- Several local and regional Hamfests are coming up soon:
 - Sunday, 8/21/22: Warren ARA Tailgate Swap Meet, Cortland, OH
 - Saturday, 9/10/22: Ashtabula County Hamfest
 - Sunday, 9/11/22: Findlay Hamfest
 - Sunday, 9/25/22: Cleveland Hamfest
 -

SECRETARY'S REPORT---Matt Perlman, KE8OZU, had nothing to report.

PUBLIC SERVICE---Toby, WT8O, reported that Bob, K8RGI, and his wife helped with the Pan Ohio Hope Ride. Ron, K8RJH, reported that the Cleveland Triathlon is 8/21 and volunteers are needed. There is an ARES meeting on 8/16 in Berea at the Helwig Whistle Stop. Public service opportunities can be found on the N8ESG website (<https://n8esg.org/>).

VE UPDATE---Metro, W8MET, reported that the next CARS VE Session will be on Sunday, September 11, 2022, 9:15 AM at the Old Rec Center in Independence.

Next CARS Meeting
Tuesday, September 13 - 7:30 PM

Harriet Keeler Picnic
Area Brecksville
Reservation

See Website for Details & Map - www.2cars.org

Meeting Program:
10 Tips for Logging
Contacts on FT8/FT4
Ron, K8RJH

PROGRAM COMMITTEE---Joe, KD8BAL, reported the following:

- Today's program is Ron, K8RJH, presenting on the James Webb telescope
- September's program is to be announced
- October's program is to be announced and may require Zoom for the presenters
- Please send ideas for programs to Joe

TECH COMMITTEE---Toby, WT8O, reported that progress is continuing on the Parma repeater input near State Road and Pleasant Valley Road.

REFRESHMENTS---Toby, WT8O, thanked Ron, K8RJH, for providing soft drinks, Matt, NU8H, for providing doughnuts, and Shawn, KE8RMV, for providing coffee for in person meetings. Coffee is on hold for the summer. The club is considering purchasing a Keurig instead of providing brewed coffee.

OLD BUSINESS---Toby, WT8O, led a discussion on the following:

- The Club needs a historian. Terry, KB8DTC, is the Club Archivist.
- The Club needs a quartermaster. The Club's equipment can be stored at Bob's, W8GC's, rental property in North Royalton. Club equipment is currently stored at Bob's, K8RGI's, house and will be moved to the new location.
- The Club needs ideas for fundraisers. Please let Toby know if you have any ideas.
- Mark, WJ8WM, has donated several pieces of equipment to the Club's tool and equipment pool. Thanks Mark!
- The CW class will be taught by David, AC8TN and Ron, K8RJH. Classes are tentatively scheduled for the first and third Thursdays of the month 6:30-7:30 PM at Seven Hills City Hall. Classes will run October 2022-May 2023.

NEW BUSINESS---Toby, WT8O, led a discussion on the following:

- There are several upcoming contests, including the following:
 - 13 Colonies is complete
 - Bob, K8RGI, plans to participate in Ohio State Parks on the Air from Put-in-Bay 9/10 10am-6pm
 - Route 66 in August 2022
 - Kentucky QSO Party the weekend of 8/13
 - Ohio QSO Party, the biggest in the country, the fourth Saturday of August noon-midnight
 - Metro, W8MET, and Linda, N8LRS, plan to participate in the POW / MIA event September 10-18. More information will be available in the September WO.
- The Club plans to have two tables at the Cleveland
- Hamfest on 9/25. SK equipment will be available for sale.
- Terry, KB8DTC, made the motion. Bob, KC8MRC, seconded the motion. The motion was unanimously passed.



Molly Kolman happily accepts the CARS scholarship check.

Three generations: Molly, Matt, and Sherr Kolman.



- The September meeting will be a picnic meeting at the Harriett Keeler Picnic Pavilion in the Brecksville Reservation of the Cleveland Metroparks. Matt, NU8H made the motion. Mark, WJ8WM, seconded the motion. The motion was unanimously passed.

NEXT MEETING---The next meeting of The Cuyahoga Amateur Radio Society will be on September 13, 2022. The meeting is scheduled at the Harriett Keeler Picnic Pavilion in the Brecksville Reservation of the Cleveland Metroparks.

50/50 DRAWING---Matt, NU8H, won the 50/50 drawing.

ADJOURNMENT---The meeting was adjourned at 8:23 PM.

After the meeting, Ron, K8RJH, presented on the James Webb telescope.

Submitted by Matt Perlman, KE8OZU, CARS Secretary

September Net Sked

SEP	7	AC8TN
SEP	14	WT8O
SEP	21	K8RJH
SEP	28	KD8ACO

**Nets are run every Wednesday at
9:00 PM on:**

146.820 (PL 110.9)

**443.825(+) PL Tone 131.8
Digital Yaesu Fusion
Linked to the 146.82 Repeater**

EchoLink Node 343470 (K8ZFR-R)

Allstar Node 47067



146.820 (-) PL Tone 110.9

Analog Repeater

Main Site – Brecksville

Receive Only Site – Brunswick

Receive Only Site – Shaker Hts.

Allstar Node 47067

EchoLink Node 343470 (K8ZFR-R)

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.820 Repeater

Brecksville

444.75 (+) PL Tone 131.8

Analog Repeater

Not Linked to Other Repeaters

Shaker Hts.

CARS Members Support the 2022 Tri CLE Rock Roll Run Run, K8RQH

The Tri CLE Rock Roll Run is a premier volunteer event for Amateur Radio operators to demonstrate communication and public service skills for our local community. This annual Triathlon event is hosted through a local partnership with the City of Cleveland and the Cleveland Metroparks. With over 860 participants from local, national, and international locations. The Saturday, August 20th event consisted of eight major races of Three Triathlon, three Duathlon and two Aquabike categories sanctioned by USA Triathlon, Team USA rules and governance.

Amateur Radio provided the core communication and situational awareness capabilities for the event Triathlon Lakefront course. Stretching from Downtown Cleveland into Edgewater Park, the bike and running courses relied on APRS (Amateur Radio Positioning System) with Amateur VHF/UHF Voice providing the Marathon Race Organizers, medical teams and public safety officers with real time, course conditions and race progress updates.



[Left] Race Organizers and Public Safety Officials monitored this year's Triathlon route progress using APRS in Real Time. Several Amateurs were equipped with APRS Beacons that tracked bikers / runners progress following the participants and providing the Race Organizers with real time course progress.

[Right] The communication's coordination is managed by the N8ESG Emergency Support Group, which seamlessly interfaced with local public safety, fire, and medical resources from the Cleveland, Metroparks and University Hospital safety agencies.

Tom Cramer, N8AGM, (Race Dispatch); Mat Nickoson, KC8NZJ, (N8ESG NOC Operations); and Matt Welch, W8DEC, (Medical Dispatch) prepare for the event



It takes several teams of communication volunteers to support this Triathlon event, from staffing the water course, mobile and bicycle SAG's (Support And Gear Vehicles), remote water rest stops, to the medical units providing their expertise for all participants. Amateur radio is one of the proven support bonds using communications that made this race event successful over the years.

Fifteen amateur operators volunteered in this Saturday morning event from the local Cleveland area, of which three are active CARS members. These CARS club members participating in this year's Triathlon were Chuck Mehozonek, K8CVM; Robert Wright, KE8CEO; and Ron Hollas, K8RJH. The K8ZFR 444.75 Club Repeater was part of the communications plan being the backup channel for this event.



[Left] Tri CLE Rock Roll Run Race Start at 6:30 AM. There are several start times for this event scheduled by course length, challenge, and age group. The last swimmers group start at 8:00 AM.

[Right] The flow of bikers to Edgewater Park was continuous in this event. I noted the unique “whirr” the competitive bikes make as they pass by.



that



[Left] I enjoyed the assignment of directly supporting the course operations with mobile communications for this year's race stationed at one of the water stops positioned in Edgewater Park.

By any metric, this year's Cleveland Trilithon was again a success. It gave me a chance to further improve my operating skills, meet new local area amateurs, and provide community support for a local event. I recommend this annual public service event for any amateur who would like to experience volunteering their operating skills at a large event for the first time.

For Additional Information.

Tri CLE Rock Roll Run” Event and Planning - <https://rockrollrun.com/>

Amateur Radio (ARES) and Volunteer Scheduling - <https://n8esg.org/>

CARS Morse Code Class

Autumn 2022 - Spring 2023

Teachers: Ron K8RJH (216-379-7440)

Dave AC8TN (216-524-6820)

Seven Hills Recreation Center

Arrive 6:15PM Class 6:30PM-7:30PM

Cars CW Class

Dave, AC8TN

A CW class is being offered beginning in October, in Seven Hills for anyone interested in learning or simply improving their Morse code skills. We will have two teachers, Ron Hollis, K8RJH, and myself.

No longer is CW memorized as series of dots and dashes and learned at five words per minute (WPM).

Our classes will be based on the Koch and Farnsworth method that is structured around learning characters at 20 WPM in your head. Characters are presented as sounds, at real world speeds, so that words can be more easily constructed. From there, sentences begin to emerge.

Classes will be the 1st and 3rd Thursdays of the month at the Seven Hills recreation Center. The schedule is adjusted to avoid classes on major holidays. We request students to arrive at 6:15 PM so we can promptly begin class at 6:30 PM. Class will end at 7:30 PM.

Typical Class Format:

1. CW Copying Quiz (.mp3 file) based on character set studied the prior two weeks
2. Video – topics related to Morse code equipment, set-up, proficiency, history
3. Each student takes turns sending that week's character set
4. Student/Teacher Q&A
5. Homework provided for next character set

Students are encouraged to bring their own double paddles and Iambic keyers to class. These tools will aid greatly in gaining code proficiency.

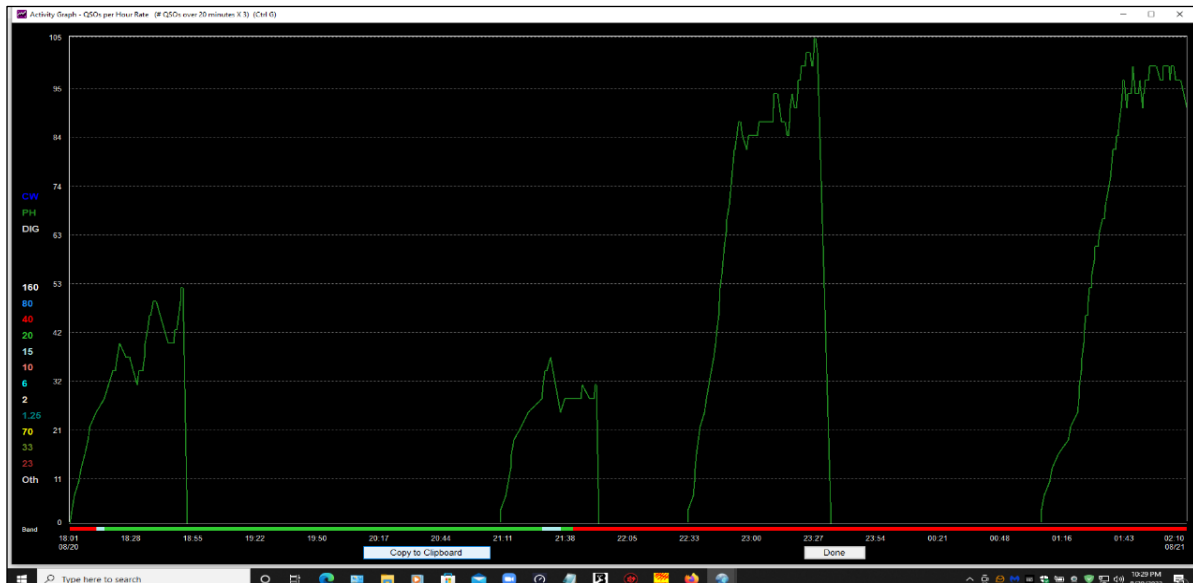
Come join us on this adventure and earn your ARRL Code Proficiency Certificates and be a CW operator at CARS Field Day 2023.

Learn code alpha/numerics by sound, not sight

Class CW Character, etc.

[illegible]

Pennsylvania Dutch Proverb



9

POW/MIA Special Event Station

On September 10th thru the 18th of 2022, we will honor and support our veterans with a Special Event on the air as K4MIA/8. Linda, N8LRS, and Metro, W8MET, will be the sister station from Ohio for our 7th year.

This event originated from K4MIA, Mike from Florida with other sister stations involved. Special Event Station K4MIA is put on the air every year to ensure that America remembers its responsibility to stand behind those who serve and have served our nation, and do everything possible to account for those who do not return. Thanks for being part of this event.

Details can be found on the ARRL website under "ON-THE-AIR" under SPECIAL EVENT under the call-letters of K4MIA. Also, this Special Event will be in the September QST. Please take part in this Special Event for our veterans. QSL is available with a SASE. We will be operating on 40 Meters SSB.

Buy the Numbers John, NV8Y

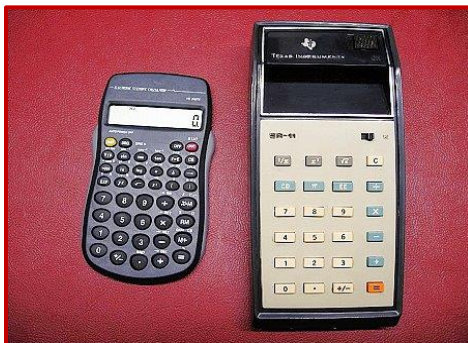
While in college in 1973, I decided that I needed to invest in my first electronic calculator to help me through my physics and materials classes. I bought a four function Texas Instrument SR10 for around \$120. In addition to some basic operations this calculator also had a square key, a square root key, a reciprocal key, a change sign key, and an enter exponent key. What more could I want?

Pretty soon most engineering students had some sort of calculator strapped on their belt. I remember one class I was in when the instructor announced that he did NOT want to see any answers on his tests. He only wanted to see the details of how we would analyze the problem and how we would set up the equations to solve the problem. So much for fancy calculators...

I recently bought a Jot 56 function DT10 digit Scientific Calculator from Dollar Tree for a dollar and a quarter; I could not resist it. I needed to see what was inside and how they could make it so cheaply.

The accompanying pictures show the Jot and a (very similar) SR11 calculator side by side both inside and out.

Most things seem to go up in price with time, only a few ever come down.



< Outside view.

Inside view >



KC8HXX (SK) Estate Sale

Honorary Members

Any person who by nature of outstanding or meritorious contribution to the furtherance of amateur radio and the ideals of the Cuyahoga Amateur Radio Society

Robert Check, W8GC

Elected 2/10/15

Thomas Wayne, WB8N

Elected 1/10/17

Dwaine Modock, K8ME, SK

Elected 5/9/17

Toby Kolman, WT8O

Elected 10/10/17

Jerry Smith, NW9H

Elected 5/8/18

Ron Borkey, K8VJG, SK

Elected 5/14/19

Ed Stevens, WB8ROK, SK

Elected 8/10/21

Icom IC-718 **450.00**

Kenwood TS-520 **275.00**

Icom power supply PS-55 **120.00**

Yaesu FC-901 antenna tuner **300.00**

QYT-KT-8900 144/440 MHz **35.00**

Pyramid power supply PS-20 (20 amp) **50.00**

Microphone BM-800 **25.00**

Heathkit multiplier GD -125 **40.00**

Comanche Siltronix 1011D Receiver 10 Meter & CB **150.00**

Motorola S-1353A CB 100/10 SWR **10.00**

Surecom SW-102 SWR 125-525 MHz **50.00**

Vista power supply VI-R **25.00**

Pyramid 52-amp power supply PS-52KX **175.00**

Microphone BM-800 **25.00**

Yaesu G-450A control box **100.00** (with rotor **200.00**)

Ham-II/CD 44 rotor and control box **250.00**

CDE Big Talk rotor and control box (BT-1) **200.00**

Power Tubes 3-500ZG (2) **250.00 each**

Uniden 510 XL CB **30.00**

Alinco amp ELH-260 D 50 watts 2-Meter **75.00**

Power Supply S-400-12 **30.00**

Palomar 3500 CB SSB 500 **145.00**

Contact Metro, W8MET, 216-520-1320

Next VE Session

The next VE testing session will be held Sunday, September 11th, at **9:15 AM*** at the Old Elmwood Recreation Center, 6200 Pete Wisniesky Parkway, Independence 44131. Directions and a map are on the CARS website homepage. For information or an appointment please contact Metro, W8MET, at 216-520-1320 or metro351@sbcglobal.net

As always, walk-ins are welcome.

***Please note time change to 9:15 AM.**

CARS Dues

Bob Check, W8GC, CARS Treasurer, will be accepting 2023 dues after September 15th. Dues can be paid with a check sent to Bob at 7395 Brecksville Rd., Independence, OH 44131.

Payments can also be made via PayPal (PLEASE USE PERSONAL OPTION WHEN PAYING) by sending to w8gc@2cars.org

You can also pay at any CARS meeting.

Dues are \$26.00 for members 59 years of age or younger, plus \$16.00 per family member. Dues for age 60 and over are \$18.00 plus \$16.00 per eligible family member.

73, Bob, W8GC, Treasurer CARS

NASA Report Bob, KC8MRC

NASA is in the planning stages of sending a probe to a main belt asteroid that is very metal rich. It has iron, nickel, gold, and platinum in large amounts.

It is 600 days and counting until the total solar eclipse is here. Get you shoe box telescope built.

TOI-1452 B is 100 light years away and orbiting a red dwarf star in the goldy locks zone of the star. The planet may be covered by a deep ocean.



The *Wobbly Oscillator* is a publication of the Cuyahoga Amateur Radio Society, P.O. Box 31264, Independence, Ohio, 44131-0264. Articles from this publication may be reprinted in any ham radio publication, if credit is given to this publication and the author, if known. All submissions should be emailed to: wt8o@att.net

CARS 2022 Officers & Committees

Audit

K8RJH ** WT8O, WJ8WM

Audio/Video

AC8NW **

ARRL Liaison

K8RJH **

Awards

W8GC ** WT8O

Christmas party & Summer Picnic

WJ8WM **, K8ARP, KD8FTU, KD8FTV

Field Day

K8RGI **, WT8O, K8ARP, KD8SCV, AC8NW, AC8TN, WT8O, K8RJH, N8BBB food

50/50

KD8SCV

Hamvention Bus

KD8FTS **

License classes

KD8ACO **, WT8O, K8SHB

Media Representative

KD8SCV

Membership

WT8O ** W8GC

NET

WT8O **

Newsletter

WT8O ** 440-525-6109
wt8o@att.net

Programs at Meetings

KD8BAL ** KD8FTS, KE8OZU

Property Custodian's

KB8DTC records, W8GC equipment

Public Services

KD8FTS **, K8ARP

QSL Manager - W8HBI, W8BM

WB8N **

Refreshments at Meetings & Picnic

K8RJH ** pop, NW8X ** Donuts, KE8RMV *** Coffee

Scholarship

W8GC ** K8RGI, KE8OZU, WT8O, K8RJH

Sunshine (welfare)

Andy, KD8SCV ** 440-886-0723

Technical

AC8NW ** N8OVW, WJ8WM, KD8ACO, K8RJH, KB8DTC

VE Exams

Metro, W8MET ** 216-520-1320

Web Master/e-mail

W8GC **

** chairman or co-chairman

2022 Officers

PRESIDENT

Toby Kolman WT8O 440-525-6109
wt8o@att.net

VICE-PRESIDENT

Ron Hollas, K8RJH, 216-379-7440

SECRETARY

Matt Perlman, KE8OZU, 216-337-1540

Alternate Secretary:

TREASURER:

Bob Check W8GC 216-524-1750

Alternate Treasurer: Bob Robbins, K8RGI

Board Members & License Trustees

Board Chairman:

Mark Moro WJ8WM 216-661-0342

even year executive board 2 year term

AC8NW, KB8DTC, WJ8WM

odd year executive board 2 year term

K8RGI, K8ARP, KD8FTS

License trustee

K8ZFR

WT8O

License trustee

W8HBI, W8BM,

W8GC



February 5, 2022

